



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Dawn Debasis, et al.  
Serial No.: 09/976,569  
Filed: October 11, 2001  
For: TRANSMISSION LINE TO  
WAVEGUIDE TRANSITION  
STRUCTURE  
Group Art Unit: 2817  
Examiner: Benny T. Lee  
Attorney Docket: 6933-60198 (08594-01)

**CERTIFICATE OF MAILING/TRANSMISSION  
(37 C.F.R. § 1.8A)**

I hereby certify that this correspondence is, on the date shown below, being:  
(X) deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 with an appropriate mail stop identified, if required.  
( ) transmitted by facsimile to the Patent and Trademark Office.

7/21/03  
Date

Hal R. Yeager

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. §1.56 AND §§1.97-1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The citation(s) listed on the enclosed PTO-1449 Form is(are) submitted under 37 C.F.R. §§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56. The Examiner is requested to make this(these) citation(s) officially of record in the application. This Information Disclosure Statement is being submitted after the mailing of the first Office Action for the above-identified application and, to the knowledge of the undersigned, before the mailing of either a final action or a notice of allowance.

A check in the amount of \$180 is enclosed to cover the fee under 37 C.F.R. §1.17(p). The Commissioner is hereby authorized to charge any additional fees, or additional monies to cover an underpayment by the enclosed check or the inadvertent omission of this check, to deposit account No. 501395. **A duplicate copy of this Statement is attached herewith and is only to be used if the Office needs to make a charge against the deposit account.**

This Information Disclosure Statement is not to be construed as a representation or admission that any of the listed citation(s), by itself or in combination with other information, is material to patentability, is, in fact, prior art, or establish(es), by itself or in combination with

07/25/2003 SSESHE1 00000025 09976569

02 FC:1806

180.00 DP

RECEIVED

JUL 30 2003

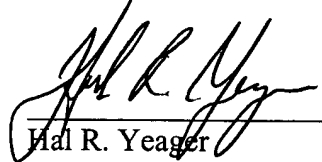
TECHNOLOGY CENTER 2800

other information, a *prima facie* case of unpatentability of any claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicant(s), or that additional information relevant to the examination of this application does not exist unbeknownst to Applicant(s).

July 21, 2003

Sheppard Mullin  
Richter & Hampton LLP  
Four Embarcadero Center, 17-th Floor  
San Francisco, CA 94111  
Tel: (415) 774-3203  
Fax: (415) 434-3947

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Hal R. Yeager', is written over a horizontal line.

Hal R. Yeager  
Registration No. 35,419

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT(S)' INFORMATION DISCLOSURE  
STATEMENT

ATTY. DOCKET NO.

6933-60198  
(08594-01)

SERIAL NO.

09/976,569

(Use several sheets if necessary)

APPLICANT Dawn Debasis, et al.

FILING DATE:  
October 11, 2001GROUP ART UNIT:  
2817

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	Class	Subclass	Filing Date If Appropriate
	A1						
	A2						
	A3						
	A4						

## FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLAT'N	
							yes	no
	B1							
	B2							

## OTHER ART (Include Author, Title, Date, Pertinent Pages, Etc.)

	C1	W. Grabherr, B. Huder, and W. Menzel, "Microstrip to waveguide Transition compatible with mm-wave integrated circuits", <i>IEEE Trans. Microwave Theory Tech.</i> , vol. 42, pp 1842-1843, Sept. 1994.
	C2	L. Hyvonen and A. Hujanen, "A compact mmic-compatible microstrip to waveguide transition", in <i>IEEE MTT-S Int. Symp. Dig.</i> , pp 875-878, 1996.
	C3	F. J. Villegas, D. I. Stones, and H. A. Hung, "A novel waveguide to microstrip transition for millimeter-wave module applications", <i>IEEE Trans. Microwave Theory Tech.</i> , vol. 47, pp 48-55, Jan. 1999.
	C4	I. Gresham, N. Jain, T. Budka, A. Alexanian, N. Kinayman, B. Ziegner, S. Brown, and P. Staecker "A 76-77GHz pulsed Doppler radar module for autonomous cruise control applications", in <i>IEEE MTT-S Int. Symp. Dig.</i> , pp 1551-1554, 2000.
	C5	N. Jain and N. Kinayman, "A novel microstrip mode to waveguide mode transformer and its application", in <i>IEEE MTT-S Int. Symp. Dig.</i> , pp 623-626, 2001.
	C6	T. Shimura and Y. Ohashi, "A single-chip transceiver module for 76-GHz automotive radar sensors", <i>31st European Microwave Conference Proceedings</i> , vol. 3, pp 153-156, Sept. 2001.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).